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(54) SQUIRREL-CAGE ROTOR

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(57) Abstract:

PURPOSE: To obtain a squirrel-cage rotor having high reliability by forming the thickness of an inner periphery of end ring larger than that of an outer periphery of the ring.

CONSTITUTION: A rotor conductor 3 is formed by a die casting in the slot 5 of a rotor core 2 supported to a rotational shaft 1. The end of the outer periphery opposite to the core 2 is cut at an angle of approx. 45° to an end ring 6 which is formed integrally with the conductor 3 for coupling the end, thereby forming an oblique surface 6a. In this manner, the ring 6 has a section for generating a large centrifugal force smaller than the section for generating a small centrifugal force. Accordingly, the centrifugal force received by the end ring 7 becomes small at the rotating time.

